

WHAT IS CLAIMED IS:

1. An image forming apparatus comprising:  
a main body for forming an image on a media;  
a first media tray, detachably mounted to said main body,  
5 for containing said medias therein; and

a second media tray being formed integrally with said first media tray, detachably mounted to said main body, and able to contain said medias therein,

wherein said second media tray is extendible from said  
10 first media tray, and said second media tray is switchable between a first state that said second media tray is housed in said main body and a second state that said second media tray is extended to outside of said main body.

15 2. An image forming apparatus according to claim 1, wherein said second media tray is a manual insertion tray which is extendible in multiple steps and used for directly setting medias from outside of said main body into said image forming apparatus.

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3. An image forming apparatus according to claim 2, further comprising a transport roller which is detachably mounted to said second media tray, and transports said media placed on said second media tray.

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4. An image forming apparatus according to claim 2,  
wherein said main body includes a door being openable, and said  
first media tray includes a lock pin which prohibits said door  
from closing when said second media tray extends to outside of  
5 said main body, and permits said door to open when said second  
media tray is housed in said main body.

5. An image forming apparatus according to claim 3,  
wherein said main body includes a door being openable, and said  
10 first media tray includes a lock pin which prohibits said door  
from closing when said second media tray extends to outside of  
said main body, and permits said door to open when said second  
media tray is housed in said main body.

15 6. An image forming apparatus according to claim 2,  
wherein said main body includes a door being openable, and said  
first media tray includes a lock pin which prohibits said door  
from closing when said second media tray extends to outside of  
said main body, and permits said door to open when said second  
20 media tray is housed in said main body.

7. An image forming apparatus according to claim 3,  
wherein said main body includes a door being openable and said  
first media tray includes a lock pin which prohibits said door  
25 from closing when said second media tray extends to outside of

said main body, and permits said door to open when said second media tray is housed in said main body.

8. An image forming apparatus according to claim 2,  
5 wherein said main body includes a door being openable, said first media tray includes a movable pin, when said second media tray is extended to outside of said main body, said movable pin engaging with and stopping said door at a position where said door is closed, when said second media tray is housed in said main body,  
10 engagement of said door with said movable pin is removed.

9. An image forming apparatus according to claim 3,  
wherein said main body includes a door being openable, said first media tray includes a movable pin, when said second media tray  
15 is extended to outside of said main body, said movable pin engaging with and stopping said door at a position where said door is closed, when said second media tray is housed in said main body, engagement of said door with said movable pin is removed.

20 10. An image forming apparatus according to claim 4,  
wherein when said lock pin prohibits said door from opening, said lock pin prohibits said first media tray from separating from said main body, when said lock pin permits said door to open, said lock pin permits said first media tray to separate  
25 from said main body.

11. An image forming apparatus according to claim 8,  
wherein when said second media tray is extended to outside of  
said main body, said movable pin engages with said main body,  
5 and when said second media tray is housed in said main body,  
engagement of said movable pin with said main body is removed.

12. An image forming apparatus according to claim 4,  
wherein said door is a jam removal door for removing said media  
10 jammed in said main body.

13. An image forming apparatus comprising:  
a main body for forming an image on said recording medium;  
a first media tray, detachably mounted to said main body,  
15 for containing said medias;

a second media tray being formed integrally with said first  
media tray, detachably mounted to said main body, and expandable  
in multiple steps;

an openable tray cover being provided at an end of said  
20 second media tray;

an openable door provided on said main body; and

a movable pin engaging with and stopping said door at a  
position where said door is closed when said tray cover is opened,  
and disengaging from said door when said tray cover is closed.

14. An image forming apparatus according to claim 13,  
wherein said door is a jam removal door for removing said media  
jammed in said main body.

5 15. An image forming apparatus according to claim 14,  
wherein in an open state of said tray cover, said movable pin  
prohibits said first media tray from separating from said main  
body, in a close state of said tray cover, said movable pin permits  
said first media tray to separate from said main body.

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16. An image forming apparatus according to claim 14,  
further comprising a transport roller which is attachable to  
and detachable from said second media tray, and transports said  
media placed on said second media tray.

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17. An image forming apparatus according to claim 15,  
further comprising a transport roller which is attachable to  
and detachable from said second media tray, and transports said  
media placed on said second media tray.

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18. An image forming apparatus according to claim 5,  
wherein said door is a jam removal door for removing said media  
jammed in said main body.

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19. An image forming apparatus according to claim 6,

wherein said door is a jam removal door for removing said media jammed in said main body.

20. An image forming apparatus according to claim 7,  
5 wherein said door is a jam removal door for removing said media jammed in said main body.

21. An image forming apparatus according to claim 8,  
wherein said door is a jam removal door for removing said media  
10 jammed in said main body.

22. An image forming apparatus according to claim 9,  
wherein said door is a jam removal door for removing said media  
jammed in said main body.  
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23. An image forming apparatus according to claim 10,  
wherein said door is a jam removal door for removing said media  
jammed in said main body.

20 24. An image forming apparatus according to claim 11,  
wherein said door is a jam removal door for removing said media  
jammed in said main body.